GSM/GPRS Module
G510-Q50

G510-Q50 is a quad-band GSM/GPRS module in LCC castellation packaging in the market, and features compact size of 22.2x20.2x2.4mm. Compatible with Fibocom 510 series module, easy for future upgrading.

G510-Q50 has a low-power sleep mode, which can greatly reduce the power consumption of the product when it is idle. It has the characteristics of ultra-wide operating temperature range and is suitable for M2M applications such as smart payment, sharing industry, asset tracking, smart home, smart city and so on.
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Basic Features
- GSM: 850/900/1800/1900MHz
- LCC: 22.2x20.2x2.4mm
- Operating temperature: 40 °C~+85 °C
- Storage temperature: -40 °C~+90 °C
- Operating Voltage: 3.3V~4.5V
- AT Command Set: 3GPP TS 27.007 and 27.005, proprietary FIBOCOMAT commands
- TX Power:
  850/900 MHz: ±3dBm±2dB
  1800/1900 MHz: ±3dBm±2dB
- RX Sensitivity:
  850/900MHz: -108 dBm
  1800/1900MHz: -107.5 dBm

Data Transmission
- GPRS Multislot Class: Class 12
- GPRS 85.6Kbps DL / 85.6Kbps UL
- Coding Scheme: CS1-C54

Features
- TCP/UDP/NTP/SSL/PPP/MQTT/FTP/HTTP/
  OneNET/All Cloud/LBS
- DFOTA
- OpenCPU

Interfaces
- SIM 1.8V/3.0V
- UART
- GPIO

OS Drivers
- Linux/Windows

Certifications
- RoHS/EMC/GF/CE/ANATEL
- SRRC/NAL/CCC

Note: * = Planning  ** = Developing